A.D. 1866, *3rd September.* N° 2263.

SPECIFICATION

OF

HENRI ADRIEN BONNEVILLE.

SMOKE-CONSUMING FIRE-PLACE.

LONDON:
PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY:
PUBLISHED AT THE GREAT SEAL PATENT OFFICE,
25, SOUTHAMPTON BUILDINGS, HOLBORN.
1867.

A.D. 1866, 3rd September. N° 2263.

Smoke-consuming Fire-place.

(*This Invention received Provisional Protection only.*)

PROVISIONAL SPECIFICATION left by Henri Adrien Bonneville at the Office of the Commissioners of Patents, with his Petition, on the 3rd September 1866.—A communication from Charles René Marcadier, residing at Tours, in the Empire of France, Gentleman.

I, Henri Adrien Bonneville, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester Terrace, Bayswater, in the County of Middlesex, Patent Agent, do hereby declare the nature of the said Invention for "An Improved Smoke-consuming Fire-place," a communication from Charles René Marcadier, a person residing at Tours, in the Empire of France, aforesaid, Gentleman, to be as follows :—

This Invention relates to an improved arrangement in fire-places, whereby they are rendered completely fumivorous whatever may be the purpose for which they are to be employed. It consists in doing away with the opening or passage through which the smoke is allowed to escape in fire-places actually in use ; in disposing the grate which receives the fuel in an inclined plane from the back of the fire-place forward ; in introducing the fuel when the fire is kindled by one or more apertures at the upper part of the fire-place ; in placing under and at a certain distance from the grate near the top of the ash receptacle a partition of brickwork or fire-clay, which might contain the boiler in the fire-places of steam engines ; the said partition is made to assume the same direction as the grate, which is that of an inclined plane from the back of the fire-place forward, and is provided in front, facing upwardly, the

said fire-place, with an opening so as to give passage to the flames coming from the fire-place, by which means the said flames are thus deflected downwards and pass through the said opening under the grate into the space above the ash receptacle where the smoke is consumed, and escapes not above the fire-bridge as in ordinary fire-places up the chimney but below the fire-bridge.

LONDON:
Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,
Printers to the Queen's most Excellent Majesty. 1867.